

## Technology to the Warfighter Quicker

Engineering Management

Program Management

Transportation Test Facility

Product Quality Assurance

First Article Test Laboratory

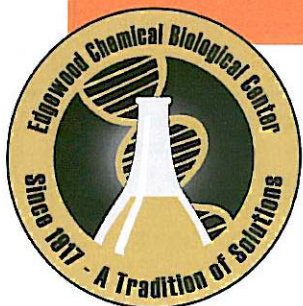
Certified Agent Testing

Surveillance

Industrial Base Planning

Information Technology Solutions

Chemical Demilitization



**U.S. Army Edgewood Chemical Biological  
Center, One Rock Island Arsenal, Rock Island  
Illinois 61299-7390  
Building 62, West Wing, First Floor**

**Commercial Phone: 309-782-3114  
DSN: 793-3114  
Fax: 309-782-1919  
Email: [AMSRD-ECB@RIA.ARMY.MIL](mailto:AMSRD-ECB@RIA.ARMY.MIL)  
<http://ecbc-ri.ria.army.mil>**

**U.S. ARMY EDGEWOOD CHEMICAL  
BIOLOGICAL CENTER, ONE ROCK ISLAND  
ARSENAL, ROCK ISLAND, IL 61299-7390**

## **ECBC (RI)** **Engineering Directorate**



**Exceeding Expectations**



**Since 1917 ~ A Tradition Of Solutions**

## What We Do

The ECBC Engineering Directorate, Rock Island Site, supports and protects THE WARFIGHTER through the application of Science, Technology and Engineering in the Defensive Chemical and Biological arena.

Specific Site services Include; Procurement, Life Cycle Materiel Management, Logistics, Quality Assurance, First Article Laboratory Testing, Container Testing, Security Assistance, and Chemical Demilitization Support.



**Engineering Management** The Rock Island Site ECBC Engineering Team primarily manages the Technical Data which is used to procure Chemical and Biological Items and Materiel. This management effort includes leading Integrated Product Teams (IPTs) and the Chairing of Configuration Control Boards (CCBs), management of engineering required in support for contracting and engineering management of our precious assets in Depots and in the field..

**Program Management** On-site Program Managers (PMs) provide guidance for Engineering and Quality Assurance input into ECBC (RI) contracts, Technical Data Package Certification and Technical Support for Production. Additionally, PMs provide guidance to Integrated Product Teams and Procurement.

**Transportation Test Facility** The ECBC (RI) Transportation Test Facility is a state of the art facility capable of simulating all forms of air and surface transport through the use of three distinctively different vibration systems. This facility tests containers, components and packages to customer specifications such as UN POP, Title 49, ASTM, MILSTD, ISTA, ISO< FED and DOT requirements for the transportation of hazardous materials.

**Product Quality Assurance** The Quality Assurance, Reliability, Availability and Maintainability (RAM) & Test Team provides Life Cycle Quality Assurance Support for ECBC Commodities. The Team manages all Quality Assurance Systems to ensure that planning, control and product assurance, services and products conform to ECBC (RI) contracts. Quality Assurance Specialists perform on-site contractor visits and support for First Article Test Report validation and audits. The Team also participates in field support and security assistance as required.

**First Article Test Laboratory** The ECBC Rock Island Site Quality Assurance First Article Test (FAT) Laboratory has full capability to conduct FATs utilizing state of the art measuring equipment. The FAT Lab is able to meet stringent customer inspection requirements including ongoing production inspection. The FAT Lab has the capability to execute both internal and external measurement. Special measuring equipment includes Coordinate Measuring Devices, a Hardness Tester and Optical Comparator in addition to standard Simplified Measuring Equipment (SME).

**Certified Agent Testing** Certification applies to all issued contracts by Product Support Integration Directorate (PSID), requiring Agent Testing during First Article, Special Test/Inspections and Production Lot Testing. Certification assures that all established standards have been met, and that testing is performed IAW pertinent laws, directives and policies.

**Surveillance** The ECBC Surveillance Team assures the reliability of Chemical/Biological materiel through shelf life testing and technical assessment. Further, the Team validates the integrity of Chemical/Biological support functions through evaluation of personnel qualifications, work procedures and test results.

**Industrial Base Planning** The Industrial Base Planning Team (IBPT), specializes in Coordination, Integration and Guidance for Chemical Biological items in identifying and resolving IB issues such as sole source, foreign dependency and obsolescence. The IBPT supports all customers throughout the Lifecycle of an item by monitoring the IB and providing key data analysis, assessments and trends, for senior leadership and decision makers.

**Information Technology (IT) Solutions** The IT Solutions Team specializes in Web Based Information Technology Solutions, Software Development, Database Engineering, Web Services, SIPRNET, Information Management, Network Security and Information Security.

**Chemical Demil Support (CDS) Team** ECBC Rock Island provides support to the Chemical Materials Agency, PM-Elimination of Chemical Weapons and Guardian Brigade. Through the use of innovative computer aided designs, specialized equipment to handle and secure Chemical Warfare Material is developed and managed. Examples include the family of chemical overpack containers for safely transporting and storing recovered Chemical Warfare Material and a plug retention device for ton containers of Chemical Agent. The CDS Team also provides Title 49 CFR hazardous materials packaging expertise to these agencies as well as acquiring simulated Chemical Munitions for stock-

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